PROGRAM DÖKÜM EKİ

- COMOZOR
- LINE OF TRAMP
- MOUSE
- TOMBALA
- 1 KELİME-1 İŞLEM
- TELEFON REHBERİ

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COMMODORE
AYLIK BİLGİSAYAR DERGİSİ

Commodore'un Ücretsiz Ekidir

Eğer Commodore Dergisi Program Döküm Eki'nde yayınlanan programlarla ilgileniyorsanız, yeni uygulamamızı kaçırmayın!

Bundan sonra, Döküm Eki'nde yayınlanacak olan programlar bizler tarafından paketler haline getirilecek ve bu paketleri elde etmek isteyen arkadaşlarımıza posta aracılığı ile iletilecektir. Bu paketleri **kaset ya da disket** olarak elde edebilirsiniz. Bu aboneliğimizden yararlanmak isteyenler, paketlerini derginin çıkış tarihinden önce alabileceklerdir.

Böylece, katılan arkadaşlar hem programları yazmanın yoruculuğundan hem de olası hatalardan da kurtulacaklar.

Bu yeni **PROGRAM ABONELİĞİ** ile ilgileniyorsanız hemen mektup veya telefonla ya da bizzat adresimize gelerek başvuruda bulunun.

Gerekli şartlar için:

Tel: 346 86 48

Adres: Commodore Dergisi
Sakız Sok. Berkel Ap. 6/4
81300 KADIKÖY - İST.

(Geçen Sayıdan Devam)

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23A1 : 29 21 C9 21 E0 78 48 3C  5D
23A9 : 2A 46 90 30 40 20 1D AD  F5
23B1 : D0 39 46 AE 0C 8D 27 39  C1
23B9 : 05 28 79 83 03 4C 6D 22  2E
23C1 : 00 24 51 69 07 E3 30 C6  33
23C9 : 1F C9 55 D0 05 A2 01 18  D6
23D1 : CE 20 6C 01 D0 2F A2 02  00
23D9 : 8E DA 2D D0 DA A9 07 8D  6C
23E1 : 2C 24 4A 10 30 A9 E4 15  C2
23E9 : 23 8A C4 81 D8 12 04 09  F3
23F1 : 20 B4 AD 66 3C 8D A4 EA  3C
23F9 : AD 82 CC C9 02 F0 AC 53  55
2401 : 3D AD C6 14 C9 FF F0 13  CF
2409 : 38 AD 09 41 ED 1A 38 8D  2E
2411 : 0B D0 EE A0 2B EE 88 4C  39
2419 : DE 02 6D C0 BD 3C 8D C8  F1
2421 : 3C CE 13 57 E0 E8 D0 15  37
2429 : 50 1D 30 03 4C FF 3C A9  7D
2431 : FE 8D 0A D0 AD 10 D0 29  83
2439 : DF 8D A6 0B AD 10 D0 29  DB
2441 : 20 C9 20 F0 14 10 A7 C9  60
2449 : 04 B0 0D 97 36 0D EE 1F  A1
2451 : 01 E8 86 59 06 D0 14 A9  1E
2459 : 00 CD 41 EE A5 05 81 C9  8A
2461 : 98 90 05 A9 94 C0 BA 36  5E
2469 : 08 29 21 C9 21 D0 10 EE  3E
2471 : 01 3C CE 08 04 29 DF E4  18
2479 : A9 01 8D 08 2A 5F 4C C7  66
2481 : 3D AA B4 BD C7 D0 D9 E0  24
2489 : E7 ED F2 F6 F8 F9 F9 F8  3B
2491 : F6 F2 ED E7 E0 D9 D0 C7  28
2499 : BD B4 AA 9F 96 8C 83 7A  20
24A1 : 73 6C 66 61 5D 5B 5A 5A  DF
24A9 : 5B 5D 61 66 6C 73 7A 83  2B
24B1 : 8C 96 9F A9 BC DD 00 6F  3F
24B9 : BC E5 E5 E4 E1 DE DA D5  AA
24C1 : D0 CA C3 BC B5 AD A6 9E  1F
24C9 : 97 90 89 83 7E 79 75 72  EA
24D1 : 6F 6E 6E 6E 6F 72 75 79  34
24D9 : 7E 83 89 90 97 9E A6 AD  F2
24E1 : B5 BC C3 CA D0 D5 DA DE  23
24E9 : E1 E0 E0 E0 23 0D F0 01  EF
24F1 : FF FF FF 76 C7 3F B9 A2  61
24F9 : 01 8E B3 05 01 23 14 29  9B
2501 : 45 51 9C AD 57 50 4E 8F  1C
2509 : 27 87 A9 04 D5 A9 9A A8  45
2511 : F2 04 A2 0E 6E 8D 0C 75  DE
2519 : 24 22 40 F0 50 84 3E 45  29
2521 : 18 14 40 1C D2 48 42 ED  2B
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2529 : 88 0C 15 C0 B1 C0 3D 62  F0
2531 : 64 34 EE 48 EE 83 3C 4C  09
2539 : 3F D0 57 81 84 3E 8D 1A  8B
2541 : 5B 8F 8D 20 3E 22 32 54  32
2549 : D0 05 F4 18 0B 4C 84 C6  8F
2551 : 1F C9 6B D0 0A FE 08 35  6D
2559 : 11 01 A2 96 03 D0 21 9F  E1
2561 : BA A9 90 8D 7A AB A9 B3  D9
2569 : 24 A9 74 A7 70 A9 0E 8D  1B
2571 : 2C 24 74 20 07 5A 48 02  39
2579 : D0 0B AD 34 41 8D E4 A2  1A
2581 : 03 8E C2 5C C9 03 D0 27  4E
2589 : AD F0 2A C9 FF F0 13 38  B6
2591 : AD 0E 41 ED 2B 38 8D 0B  14
2599 : D0 EE 40 57 EE 10 05 4C  F7
25A1 : C8 3E 6B 8E A2 3E 8E AD  E7
25A9 : 57 0F 02 8D 1A EA 10 1D  2E
25B1 : D0 03 C1 A8 20 C9 60 71  3D
25B9 : C0 23 24 C0 A3 EF 3E 7A  D4
25C1 : 0A 34 8F DF 9D 2F B1 04  E7
25C9 : 3F CE 20 D0 4C 81 EA 29  60
25D1 : 3C 00 00 00 AD 1E 40 57  89
25D9 : FF C4 0D 41 F0 1E EE 56  0E
25E1 : 05 AD 04 01 E0 90 15 A9  18
25E9 : 00 11 41 EE 90 16 04 C9  FD
25F1 : 94 90 82 8D 90 8E FD 07  A3
25F9 : E1 15 5B C7 A2 01 86 CA  16
2601 : 19 8E FB E2 03 8D 2A 68  D3
2609 : 04 4A 42 A9 97 8D E3 D8  1F
2611 : 20 43 1C 88 17 61 08 68  58
2619 : 0C C5 16 01 87 0B 3F 51  A3
2621 : 55 08 C9 B0 CE 15 AD 28  9F
2629 : 30 41 F6 7F 84 FE 8D 06  2A
2631 : C3 0E 80 00 96 10 8D C6  C9
2639 : 1F C9 6B 15 B6 02 9B 2B  FB
2641 : 4C BB 3F A9 01 6E 89 A9  6D
2649 : FF 8D 0F D4 A9 81 8D 12  6E
2651 : D4 AD 1B D4 29 FF 18 69  23
2659 : 20 8D EC 4A A0 A9 00 9D  57
2661 : 0E D4 E8 E0 07 D0 F8 A9  5E
2669 : 0F 8D 18 D4 60 2C 1D 85  C6
2671 : 71 21 A9 9A 8D FC 07 A9  61
2679 : 45 2C 3C A9 64 8D CA 95  22
2681 : C0 91 2B B1 01 02 09 10  6F
2689 : 62 13 35 0D 8C 03 F0 03  0E
2691 : 4C FC 3F 20 8F 3F AE 11  FF
2699 : 41 8E 08 D0 A2 04 56 E7  B1
26A1 : 10 37 C9 04 D0 30 4C 01  01
26A9 : 21 EE 60 20 44 C9 F0 90  D5
26B1 : 0A 03 56 A9 0A 8D F4 2A  3D
26B9 : 60 83 11 C9 11 37 03 40  B0
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26C1 : EA A2 03 8E 88 A2 0A 8E  72
26C9 : 60 0D 40 10 23 34 14 F2  CC
26D1 : C3 09 C9 09 D0 0B 75 F7  D7
26D9 : E2 38 09 0A EA 20 2E 21  06
26E1 : 4C 8A 21 29 12 C9 12 D0  39
26E9 : 0D CD 1D D0 08 54 0A 01  8C
26F1 : 07 82 F1 00 0B F0 0A EE  F4
26F9 : 15 41 D0 05 C0 31 14 41  EC
2701 : 14 36 08 29 21 C9 21 D0  DE
2709 : 17 AD 08 F1 05 C9 02 D0  7F
2711 : 10 EE 01 41 E0 3B 8E 0B  39
2719 : 24 01 04 29 DF 8D 15 D0  44
2721 : EA AD C6 1F C9 52 90 18  19
2729 : EE CE 05 AD 04 C9 30 90  E6
2731 : 0E A9 00 8D 16 41 EE 17  1B
2739 : 41 20 80 21 20 19 28 EA  10
2741 : 4C 2E 42 78 A9 09 8D 86  6A
2749 : 02 A9 93 20 D2 FF A2 00  C0
2751 : BD 00 41 09 F0 05 04 52  6C
2759 : 20 20 05 2C 52 40 20 05  02
2761 : 54 52 60 20 05 7C 52 80  79
2769 : 20 05 A4 04 BD A0 23 9D  5E
2771 : CC 04 E8 E0 20 D0 D7 4C  16
2779 : 0B 43 D2 07 18 01 BC BC  B1
2781 : BC 03 02 0A 11 F1 02 A9  7D
2789 : B3 7B E8 EC 3C 38 3A 1E  7C
2791 : 0E 0F 0F 83 1C 03 8C 00  67
2799 : 00 00 F2 A9 00 9D 00 41  FB
27A1 : E8 D0 FA 11 DE 0E 6C 08  F2
27A9 : 35 8D 14 21 A9 78 8D 83  6A
27B1 : 21 4C F2 2B 20 A3 9C 0B  C2
27B9 : 15 FD 20 5B FF A9 00 00  8E
27C1 : 1F 20 97 42 60 AD 17 D6  9C
27C9 : F8 14 90 5C AD 37 08 C9  C3
27D1 : 06 90 2A C6 53 BC F0 A4  AB
27D9 : 8C 20 1C 42 FC 18 B2 0C  38
27E1 : 78 83 30 09 18 99 C6 21  F4
27E9 : 9D C8 66 89 0B 29 20 E4  F9
27F1 : FF F0 FB C9 45 01 4E D9  EA
27F9 : 60 41 27 17 74 8D CE 58  46
2801 : 60 0A 31 E0 18 06 EA 05  36
2809 : 6A F5 E3 7C C0 23 9D C5  1D
2811 : 07 5B 30 68 F5 78 A0 12  A9
2819 : 30 4E 90 00 09 C2 A9 1D  1C
2821 : D5 21 4A 09 10 8D 1C A9  6C
2829 : 09 8D 22 08 42 0D 8D 23  8C
2831 : D0 E0 06 84 67 A9 15 8D  B7
2839 : 18 D0 A9 0F 8D 43 B8 8D  F7
2841 : 85 58 AD 08 29 EF 8D 16  D3
2849 : D0 AD 12 01 F0 3A C8 E1  5C
2851 : A2 0E A4 5A 4C 1A 5C 7D  71
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2859 : A9 00 9D EA D9 D6 14 D0  0D
2861 : F8 4C 9C 4F 19 60 AF C1  67
2869 : 8A 2F 4C B7 42 AD 18 00  87
2871 : 3C 00 F0 81 8E 7A 43 A8  35
2879 : 07 60 03 90 2A 2C D0 25  15
2881 : A2 01 8E C5 8A C0 03 C4  44
2889 : E3 40 C7 00 A3 41 30 19  B5
2891 : 41 C9 58 10 20 A0 82 31  42
2899 : EA EA AD 18 C9 30 B0 8C  61
28A1 : CD 80 43 EA 4C CC 43 31  77
28A9 : 99 20 A3 12 15 FD 20 B3  A7
28B1 : 43 50 16 BD B2 21 9D C4  8E
28B9 : 05 E8 E0 09 D0 F5 AD 00  FF
28C1 : DC C9 6F D0 F9 4C BF 43  FF
28C9 : EE 05 CE 01 D0 CE 03 78  8E
28D1 : 05 27 D0 EE 28 70 20 5B  B9
28D9 : FF A2 00 8E 20 D0 8E 81  C1
28E1 : 38 60 A2 FF A0 FF CA D0  C9
28E9 : FD 88 D0 FA 4C BE 40 AD  D5
28F1 : C6 1F C9 5A 90 0C AD 36  91
28F9 : 08 29 21 C9 21 D0 03 EE  9A
2901 : 01 41 EE 19 D0 4C 81 EA  CD
2909 : A9 E1 8D 28 03 4C 94 28  40
2911 : 87 17 E0 00 00 00 00 00  5C
```

Line of Tramp

Bu program, BASIC'de yazılmış bir çizim programıdır. Her ne kadar profesyonel çizim programları ayarında değilse de, programın incelenmesi oldukça yararlı olacaktır. "Line of Tramp"i yükleyip çalıştırdığınızda karşınıza herhangi bir açıklama çıkmıyor. Yani buradaki açıklamaları dikkatle okumak zorundasınız.

Programın bir çok fonksiyonu var. Örneğin ekran ve çizim renklerini CRSR tuşlarını kullanarak değiştirebilirsiniz.

Programda kullanılabilen tuşlar şunlar:

CRSR sol-sağ: Ekran rengi.
CRSR yukarı-aşağı: Çizim rengi.
R: Renk
F7: Ekran temizleme.
F1: Program sonu.
S: Silgi.
A: Atlama.
Y: Yaz.
D: Daire.
F3: Dış Renk.

CRSR tuşlarını kullanıp renkleri ayarladıktan sonra 'R' tuşunu kullanarak renkleri ortaya çıkarmalısınız. Ancak ekran rengini değiştirmek istemiyorsanız ekranın sol-üst köşesindeki ikinci rengi görünmez yapmalısınız.

```
00000 PRINT "<CLR><CTRL-7>":X=147:POKE 53
      280,6:POKE 53281,15                    <014>
00001 FOR  I=I  TO  90:PRINT "<HOME>"TAB(
      I)"<RVSON><CTRL-6> LINE OF TRAMP<CT
      RL-7>";:NEXT :PRINT "<CTRL-6><16SPA
      CE>"                                   <142>
```

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00002 FOR  G=1  TO  1+150 STEP 41:PRINT "
      <HOME>"TAB(G)"<RVSON><CTRL-6>LINE O
      F TRAMP":NEXT                          <206>
00003 PRINT :PRINT "<CTRL-7><2DOWN><8RIGH
      T>P<CTRL-6>R<CTRL-7>E<CTRL-6>S<CTRL
      -7>S<CTRL-6> F<CTRL-7>I<CTRL-6>R<CT
      RL-7>E<CTRL-6> T<CTRL-7>O<CTRL-6> C
      <CTRL-7>O<CTRL-6>N<CTRL-7>T<CTRL-6>
      I<CTRL-7>N<CTRL-6>U<CTRL-7>E<CTRL-6
      >!<CTRL-7>.<CTRL-6>."                  <068>
00004 PRINT "<CTRL-7><8RIGHT>.....
      ............":WAIT  56320,16          <053>
00005 B=8192:A=150:C=100:KR=0:ZR=1:R=5:C1
      =174:C2=131:QL=13:AS=1                 <109>
00010 PRINT "<CLR>":GOSUB  2900              <055>
00015 POKE 53272,PEEK(53272) OR 8            <056>
00020 POKE 53265,PEEK(53265) OR 32           <060>
00025 FOR  I=B  TO  B+7999:POKE I,0:NEXT
                                             <214>
00030 FOR  I=1024  TO  2023:POKE I,1:NEXT
                                             <234>
00040 PE=PEEK(56320)                         <049>
00050 IF  PE AND 1 THEN C=C+2:C2=C2+2:GOS
      UB  1000                               <177>
00060 IF  PE AND 2 THEN C=C-2:C2=C2-2:GOS
      UB  1000                               <011>
00070 IF  PE AND 4 THEN A=A+2:C1=C1+2:GOS
      UB  1000                               <247>
00080 IF  PE AND 8 THEN A=A-2:C1=C1-2:GOS
      UB  1000                               <018>
00090 POKE V+4,C1:POKE V+5,C2                <041>
00100 GET A$:IF  A$="<F7>" THEN  FOR I=B
      TO B+7999:POKE I,0:NEXT                <174>
00110 IF A$="R" THEN  FOR D=1024  TO  202
      3:POKE D,RR:NEXT D                     <033>
00115 IF  A$="S" THEN  QL=253:GOTO 2150      <218>
00117 IF  A$="<F3>" THEN  AS=AS+1            <205>
00120 IF  A$="<F1>"  THEN  2000              <085>
00125 IF A$="D" THEN  M=A+5:M2=A-5:GOSUB
       2100                                  <019>
00127 IF  A$="A"  THEN  QL=13:GOTO  2490     <082>
00130 IF  KR>=17  THEN  KR=1                 <063>
00135 IF  ZR>=17  THEN  ZR=1                 <248>
00140 IF  KR<=0  THEN  KR=17                 <135>
00145 IF  ZR<=0  THEN  ZR=17                 <034>
00150 IF  A$="<UP>"  THEN KR=KR+1:POKE 10
      24,KR:RR=(KR*16)+ZR                    <180>
00160 IF  A$="<DOWN>"  THEN KR=KR-1:POKE
      1024,KR:RR=(KR*16)+ZR                  <254>
00170 IF  A$="<RIGHT>"  THEN ZR=ZR+1:POKE
       1025,ZR:RR=(KR*16)+ZR                 <251>
00180 IF  A$="<LEFT>"  THEN ZR=ZR-1:POKE
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      1025,ZR:RR=(KR*16)+ZR                          <197>
00185 IF  AS>17  THEN AS=1                           <097>
00190 POKE 2042,QL                                   <193>
00200 X=A:Y=C:POKE 53280,AS                          <032>
00210 IF  C1>253  THEN  C1=C1-2:A=A-2                <170>
00220 IF  C1<28  THEN  C1=C1+2:A=A+2                 <120>
00230 IF  C2<35  THEN  C2=C2+2:C=C+2                 <136>
00240 IF  C2>227  THEN  C2=C2-2:C=C-2                <203>
00290 POKE 1024,KR:POKE 1025,ZR                      <114>
00300 GOTO  40                                       <248>
01000 REM                                            <044>
01010 CH=INT(X/8)                                    <031>
01020 RO=INT(Y/8)                                    <029>
01030 LN=Y  AND  7                                   <141>
01040 BYTE=B+RO*320+CH*8+LN                          <123>
01050 BIT=7-(X  AND  7)                              <147>
01060 POKE  BYTE,PEEK(BYTE) OR (2↑BIT)               <086>
01070 RETURN                                         <112>
02000 POKE 53265,PEEK(53265) AND 223                 <051>
02010 POKE 53272,21:POKE 53269,0:PRINT "<
      CLR><C=7>":POKE 53280,14:POKE 53281
      ,6:END                                         <083>
02100 FOR  X=A  TO  M:Y=C+SQR(R*R-(X-A)*(
      X-A)):GOSUB  1000:NEXT                         <195>
02110 FOR  X=M  TO  A STEP -1:Y=C-SQR(R*R
      -(X-A)*(X-A)):GOSUB  1000:NEXT                 <248>
02120 FOR  X=M  TO  M2  STEP -1:Y=C-SQR(R
      *R-(A-X)*(A-X)):GOSUB  1000:NEXT               <035>
02130 FOR  X=M2  TO  M :Y=C+SQR(R*R-(A-X)
      *(A-X)):GOSUB  1000:NEXT                       <052>
02140 RETURN                                         <166>
02150 REM  SILGI                                     <224>
02160 POKE 2042,QL                                   <131>
02200 PE=PEEK(56320)                                 <177>
02210 IF  PE AND 1 THEN C=C+1:C2=C2+1                <127>
02220 IF  PE AND 2 THEN C=C-1:C2=C2-1                <217>
02230 IF  PE AND 4 THEN A=A+1:C1=C1+1                <197>
02240 IF  PE AND 8 THEN A=A-1:C1=C1-1                <224>
02250 POKE V+4,C1:POKE V+5,C2                        <169>
02260 GET A$:IF A$="Y" THEN  QL=13:GOTO
      190                                            <191>
02270 IF  A$="<F7>" THEN  FOR I=B TO B+79
      99:POKE I,0:NEXT                               <184>
02280 IF  A$="<F1>"  THEN  2000                      <213>
02285 IF  A$="A"  THEN  QL=13:GOTO  2500             <140>
02290 IF  C1>253  THEN  C1=C1-2:A=A-2                <216>
02300 IF  C1<28  THEN  C1=C1+2:A=A+2                 <168>
02310 IF  C2<35  THEN  C2=C2+2:C=C+2                 <186>
02320 IF  C2>227  THEN  C2=C2-2:C=C-2                <253>
02330 CH=INT(A/8)                                    <199>
02340 LO=INT(C/8)                                    <046>
02350 LN=C AND 7                                     <252>
02360 BY=B+LO*320+8*CH+LN                            <228>
```

```
02370 BI=7-(A AND 7)                                    <123>
02380 POKE BY,O                                         <244>
02400 GOTO  2200                                        <094>
02490 REM  ATLAMA                                       <025>
02500 PE=PEEK(56320)                                    <223>
02510 IF  PE AND 1 THEN C=C+2:C2=C2+2                   <205>
02520 IF  PE AND 2 THEN C=C-2:C2=C2-2                   <039>
02530 IF  PE AND 4 THEN A=A+2:C1=C1+2                   <019>
02540 IF  PE AND 8 THEN A=A-2:C1=C1-2                   <046>
02545 POKE 2042,QL                                      <006>
02550 POKE V+4,C1:POKE V+5,C2                           <215>
02560 GET A$:IF A$="Y" THEN  QL=13:GOTO
      190                                               <239>
02570 IF  A$="<F7>" THEN  FOR I=B TO B+79
      99:POKE I,O:NEXT                                  <232>
02580 IF  A$="<F1>"  THEN  2000                         <005>
02590 IF A$="D"  THEN  M=A+5:M2=A-5:GOSUB
        2100                                            <200>
02600 IF  A$="S" THEN  QL=253:GOTO 2150                 <163>
02610 IF  C1>253  THEN  C1=C1-2:A=A-2                   <030>
02620 IF  C1<28  THEN  C1=C1+2:A=A+2                    <236>
02630 IF  C2<35  THEN  C2=C2+2:C=C+2                    <252>
02640 IF  C2>227  THEN  C2=C2-2:C=C-2                   <063>
02650 GOTO  2500                                        <138>
02900 V=53248:POKE V+21,4:POKE 2042,QL:PO
      KE V+41,5                                         <009>
02910 FOR  J=O  TO  62:READ  Q:POKE 832+J
      ,Q:NEXT                                           <216>
02920 FOR  T=O  TO  62:READ  U:POKE 16192
      +T,U:NEXT :RETURN                                 <049>
02990 REM  KALEM                                        <240>
03000 DATA  O,O,O,O,O,224,O,1,144,O,2,144
      ,O,5,208,O,11,160,O,23,64,O,47,128,
      O,95,O                                            <092>
03010 DATA  O,190,O,1,116,O,2,232,O,5,208
      ,O,11,160,O,23,64,O,62,128,O                      <128>
03020 DATA  45,O,O,70,O,O,76,O,O,240,O,O,
      192,O,O                                           <157>
03030 REM  SILGI                                        <086>
03040 DATA  O,O,3,O,O,15,O,O,50,O,O,98,O,
      O,180,O,1,120,O,2,232,O,5,208,O,11,
      160                                               <118>
03050 DATA  O,23,64,O,46,128,O,93,O,O,186
      ,O,1,244,O,2,232,O,5,208,O,9,64,O                 <233>
03060 DATA  9,128,O,7,O,O,O,O,O,O,O,O                   <182>
```

Tombala

Program yüklenip çalıştırıldığında açılış ekranı gelince tombala kontrol kartonu karşımıza çıkmakta ve çekilişe hazır beklenilmektedir.

Çekilişler SPACE tuşuyla yapılmakta, çıkan numara kontrol tablosundaki ait olduğu yere yerleşmektedir. Space tuşuna basılarak devamlı yapılan çekilişler sonunda birinci ve ikinci çinko ile sonunda tombala yapıldığında (Y) tuşuna basılarak ekran yeni oyuna hazır hale gelmektedir.

Ekran düzenlemeleri için string kullandığım ve tuş programlaması yaptığımdan, program akışının bozulmaması ve ekranın kaymalarını önlemek bakımından, programı yazacak olanların dikkatli olmalarını mümkünse basic dili editörü aracılığı ile yazmalarını önerir, iyi kullanımlar dilerim.

```
00001 REM  ********************************
      *                                      <139>
00002 REM  ***   T  O  M  B  A  L  A   **
      *                                      <100>
00003 REM  ***  PRG:   ERAYDIN AKKAYA  **
      *                                      <133>
00004 REM  ***  SILE/1991 - TEL.:1706  **
      *                                      <090>
00005 REM  ********************************
      *                                      <143>
00006 :                                      <238>
00007 POKE 53280,0:POKE 53281,0:POKE 657,
      128:POKE 788,52:T$=CHR$(147):POKE 6
      46,5                                   <047>
00008 H=0:B=1:W=2:P=6:V=8:G=9:F=19:Y=32:L
      =90:E=98:M=L:PRINT T$;"AKKAYA"         <089>
00009 FOR I=B TO 5:K$=K$+CHR$(Y):NEXT        <192>
00010 F$=LEFT$(K$,3):Y$=RIGHT$(K$,W):FOR
      I=B TO 19:READ A:AD$=AD$+CHR$(A-G):
      NEXT                                   <157>
00011 FOR I=B TO 23:READ A:AF$=AF$+CHR$(A
      -P):NEXT :FOR I=B TO G:READ A          <031>
00012 AJ$=AJ$+CHR$(A-F):NEXT :FOR I=B TO
      G+B:G$=G$+F$:NEXT :DIM M$(16)          <112>
00013 G$=CHR$(F-B)+G$:M$=CHR$(17):FOR I=B
       TO 16:M$(I)=M$(I-B)+M$:NEXT           <018>
00014 PRINT CHR$(F);M$(G);TAB(16);"TOMBAL
```

```
      A":PRINT TAB(14);"DATA GIRISI"                    <045>
00015 FOR A=49152 TO 49215:READ X:POKE A,
      X:NEXT :SYS 49152                                 <049>
00016 READ A:IF A=-B THEN PRINT T$:POKE 5
      3265,H:GOTO 18                                    <150>
00017 FOR J=H TO 7:READ X:POKE 14336+A*V+
      J,X:PRINT CHR$(F):PRINT X:NEXT :GOT
      O 16                                              <075>
00018 ZZ$="":FOR I=B TO 30:ZZ$=ZZ$+CHR$(9
      5):NEXT :ZZ$=CHR$(91)+ZZ$+CHR$(92)  <049>
00019 RK=30:AS=B:TB=4:GOSUB 70                          <227>
00020 PRINT TAB(4);CHR$(36);TAB(35);CHR$(
      Y+B)                                              <249>
00021 ZZ$=CHR$(36)+CHR$(158)+Y$+CHR$(Y)+"
      T<3SPACE>O<3SPACE>M<3SPACE>B<3SPACE
      >A<3SPACE>L<3SPACE>A"+Y$                          <091>
00022 ZZ$=ZZ$+CHR$(30)+CHR$(Y+B):RK=30:AS
      =3:TB=4:GOSUB 70                                  <201>
00023 PRINT TAB(4);CHR$(36);TAB(35);CHR$(
      Y+B)                                              <252>
00024 ZZ$="":FOR I=B TO 30:ZZ$=ZZ$+CHR$(3
      5):NEXT :ZZ$=CHR$(93)+ZZ$+CHR$(94)  <017>
00025 RK=30:AS=5:TB=4:GOSUB 70:GOSUB 71   <246>
00026 PRINT TAB(G+W);CHR$(158);M$(W);AD$:
      PRINT TAB(G);M$;AF$                               <152>
00027 PRINT TAB(G+3);M$(W);F$;CHR$(F-B);C
      HR$(129);AJ$:POKE 53265,F+V:S=54272
                                                        <176>
00028 FOR I=H TO 24:POKE I+S,H:NEXT :DIM
      T(L+B),T$(L):U$=CHR$(E+B)+CHR$(E+B)
                                                        <032>
00029 N$=U$+CHR$(123):FOR I=B TO G:C$=C$+
      N$:NEXT :C$=K$+CHR$(171)+C$+U$+CHR$
      (179)                                             <023>
00030 V$=U$+CHR$(178):FOR I=B TO G:K1$=K1
      $+V$:NEXT :P$=Y$+CHR$(E):FOR I=B TO
       G+B                                              <080>
00031 J$=J$+P$:NEXT :J$=K$+CHR$(E)+J$:F$=
      U$+CHR$(177):FOR I=B TO G:D$=D$+F$:
      NEXT                                              <212>
00032 GET A$:IF A$<>CHR$(Y) THEN 32       <195>
00033 PRINT T$;:PRINT TAB(P+B);CHR$(150);
      "T<2SPACE>O<2SPACE>M<2SPACE>B<2SPAC
      E>A<2SPACE>L<2SPACE>A"                            <016>
00034 PRINT M$;TAB(G);CHR$(Y-W);"CEKILIS:
       SPACE"                                           <086>
00035 PRINT TAB(P);CHR$(158);"YENI OYUN:
      Y<2SPACE>CIKIS: C":GOSUB 63:GOSUB 6
      0                                                 <108>
00036 A$(H)=CHR$(F)+M$(P):FOR I=H TO V:A$
      (I+B)=A$(I)+M$(W):NEXT                            <017>
00037 FOR N=B TO L:T(N)=N:T$(N)=STR$(T(N)
```

```
      ):NEXT                                          <101>
00038 GET A$:IF A$=CHR$(67) THEN 86                   <180>
00039 IF A$<>CHR$(Y) THEN 38                          <091>
00040 FOR I=B TO 30:R=INT(L*RND(H)+H+B):T
      $(R)=CHR$(155)+RIGHT$(STR$(T(R)),W)
                                                      <014>
00041 PRINT CHR$(F);M$(W);TAB(Y-B);T$(R):
      FOR Z=H TO P*G:NEXT :NEXT :FOR I=B
      TO P:NEXT                                       <186>
00042 RN$=CHR$(Y-W):GOSUB 44:GOSUB 45                 <033>
00043 PRINT T$(R):GOSUB 58:GOTO 50                    <197>
00044 T$(R)=CHR$(F-B)+RN$+RIGHT$(T$(R),W)
      :RETURN                                         <247>
00045 J=-P/W:FOR I=H TO 80 STEP M/G:K=H:I
      F I>H THEN K=I+I/10*-G                          <063>
00046 IF T(R)>I AND T(R)<I+11 THEN PRINT
      A$(K);TAB(G/3*T(R)+(P+J));                      <067>
00047 J=J-Y+W:NEXT :RETURN                            <063>
00048 FOR N=R TO L-B:T(N)=T(N+B):NEXT :L=
      L-B:RETURN                                      <050>
00049 PRINT CHR$(F);M$(W);TAB(Y-B);Y$:RET
      URN                                             <028>
00050 POKE 198,H                                      <226>
00051 GET A$:IF A$="" THEN 51                         <092>
00052 IF A$=CHR$(67) THEN 86                          <215>
00053 IF A$=CHR$(89) THEN L=90:GOTO 33                <199>
00054 IF L=B THEN GOSUB 57:GOTO 50                    <024>
00055 IF A$=CHR$(Y) THEN GOSUB 57:GOSUB 4
      9:GOSUB 48:GOTO 40                              <120>
00056 GOTO 51                                         <026>
00057 RN$=CHR$(150):GOSUB 44:GOSUB 45:PRI
      NT T$(R):RETURN                                 <164>
00058 POKE S+B,Y+W:POKE S+5,G:POKE S+P,24
      0:POKE S+24,G+P:POKE S+4,Y+B                    <197>
00059 FOR Z=B TO M:NEXT :POKE S+4,Y:RETUR
      N                                               <236>
00060 PRINT CHR$(F);CHR$(154);M$(P-B);K$;
      CHR$(176);K1$;U$;CHR$(174)                      <008>
00061 FOR A=B TO G-B:PRINT J$:PRINT C$:NE
      XT :PRINT J$                                    <242>
00062 PRINT K$;CHR$(173);D$;U$;CHR$(189):
      RETURN                                          <049>
00063 PRINT CHR$(F);CHR$(129);M$;TAB(Y-W)
      ;CHR$(117);CHR$(183);CHR$(183);CHR$
      (105)                                           <024>
00064 PRINT TAB(Y-W);CHR$(E);Y$;CHR$(129)
      ;CHR$(E)                                        <196>
00065 PRINT TAB(Y-W);CHR$(106);CHR$(175);
      CHR$(175);CHR$(107):RETURN                      <206>
00066 PD$=CHR$(91):SL$=CHR$(92):FOR I=B T
      O G:ZZ$=ZZ$+CHR$(95):NEXT                       <046>
```

```
00067 ZZ$=PD$+ZZ$+SL$:RETURN                                    <099>
00068 PB$=CHR$(93):YO$=CHR$(94):ZZ$="":FO
      R I=B TO G:ZZ$=ZZ$+CHR$(35):NEXT                          <076>
00069 ZZ$=CHR$(RK)+PB$+ZZ$+YO$:PRINT CHR$
      (F);M$(AS);TAB(TB);ZZ$:RETURN                             <059>
00070 ZZ$=CHR$(RK)+ZZ$:PRINT CHR$(F);M$(A
      S);TAB(TB);ZZ$:ZZ$="":RETURN                              <198>
00071 GOSUB 66:AS=7:TB=V:RK=150:GOSUB 70:
      GOSUB 66:AS=G:TB=21:RK=154:GOSUB 70
                                                                <123>
00072 DL$=CHR$(36):NI$=CHR$(Y+B):YZ$=CHR$
      (37)                                                      <034>
00073 ZZ$=DL$+CHR$(38)+YZ$+CHR$(41)+YZ$+C
      HR$(44)+YZ$+CHR$(62)+YZ$+CHR$(60)+N
      I$                                                        <124>
00074 TB=V:AS=V:RK=150:GOSUB 70                                 <230>
00075 ZZ$=DL$+CHR$(113)+CHR$(74)+YZ$+CHR$
      (87)+YZ$+CHR$(115)+YZ$+CHR$(119)+YZ
      $+NI$                                                     <207>
00076 TB=21:AS=10:RK=154:GOSUB 70                               <008>
00077 ZZ$=DL$+CHR$(108)+CHR$(40)+YZ$+CHR$
      (43)+YZ$+CHR$(120)+YZ$+CHR$(59)+YZ$
      +NI$                                                      <036>
00078 TB=V:AS=G:RK=150:GOSUB 70                                 <174>
00079 ZZ$=DL$+CHR$(64)+YZ$+CHR$(86)+YZ$+C
      HR$(M)+YZ$+CHR$(122)+CHR$(59)+YZ$+N
      I$                                                        <141>
00080 TB=21:AS=11:RK=154:GOSUB 70                               <028>
00081 ZZ$=DL$+CHR$(39)+YZ$+CHR$(42)+YZ$+C
      HR$(45)+YZ$+CHR$(61)+YZ$+CHR$(63)+N
      I$                                                        <127>
00082 TB=V:AS=10:RK=150:GOSUB 70                                <227>
00083 ZZ$=DL$+YZ$+CHR$(81)+YZ$+CHR$(88)+Y
      Z$+CHR$(120)+YZ$+CHR$(118)+CHR$(60)
      +NI$                                                      <155>
00084 TB=21:AS=12:RK=154:GOSUB 70                               <048>
00085 AS=11:TB=V:RK=150:GOSUB 68:AS=13:TB
      =21:RK=154:GOSUB 68:RETURN                                <166>
00086 PRINT T$:POKE 788,49:POKE 657,H:POK
      E 53280,14:POKE 53281,P:POKE 646,14
      :END                                                      <002>
00087 DATA  89,91,80,67,41,78,91,74,98,77
      ,82,87,41,74,84,84,74,98,74                               <050>
00088 DATA  89,79,82,75,53,55,63,63,55,38
      ,38,38,38,38,90,75,82,64,38,55,61,5
      4,60                                                      <016>
00089 DATA  51,51,102,99,84,86,88,51,51                         <016>
00090 DATA  173,14,220,41,254,141,14,220,
      165,1,41,251,133,1,160,0,132,34,132
      ,36                                                       <230>
00091 DATA  169,216,133,35,169,56,133,37,
      162,8,177,34,145,36,200,208,249,230
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      ,37                                                    <059>
00092 DATA  230,35,202,208,242,165,1,9,4,
      133,1,173,14,220,9,1,141,14,220,169
      ,30                                                    <151>
00093 DATA  141,24,208,96                                    <199>
00094 DATA  0,0,28,16,28,20,28,0,0                           <055>
00095 DATA  1,24,124,110,198,254,204,136,
      0                                                      <033>
00096 DATA  2,124,230,198,220,198,94,252,
      0                                                      <081>
00097 DATA  3,62,110,192,192,192,248,124,
      0                                                      <241>
00098 DATA  4,240,156,206,206,206,92,248,
      0                                                      <116>
00099 DATA  5,126,240,224,120,96,112,62,0
                                                             <035>
00100 DATA  7,124,222,192,206,198,238,124
      ,0                                                     <123>
00101 DATA  9,60,60,60,24,24,24,8,0                          <040>
00102 DATA  10,0,46,104,46,34,46,0,0                         <092>
00103 DATA  11,230,238,248,248,104,108,10
      2,0                                                    <062>
00104 DATA  12,192,224,224,96,96,110,254,
      0                                                      <092>
00105 DATA  13,68,238,254,214,198,198,130
      ,0                                                     <191>
00106 DATA  14,98,246,254,222,206,198,68,
      0                                                      <218>
00107 DATA  15,124,230,198,198,198,238,12
      4,0                                                    <083>
00108 DATA  16,124,230,198,220,240,96,96,
      0                                                      <157>
00109 DATA  17,0,46,106,46,34,46,0,0                         <019>
00110 DATA  18,252,230,198,204,248,108,10
      2,0                                                    <096>
00111 DATA  19,60,118,96,60,6,238,124,0                      <008>
00112 DATA  20,126,252,24,24,24,24,8,0                       <167>
00113 DATA  21,204,204,198,198,230,230,12
      4,0                                                    <061>
00114 DATA  22,0,119,20,39,69,119,0,0                        <063>
00115 DATA  23,0,114,22,34,18,114,0,0                        <217>
00116 DATA  24,0,119,17,34,20,116,0,0                        <083>
00117 DATA  25,198,198,230,60,24,24,48,0                     <041>
00118 DATA  26,0,23,53,87,113,23,0,0                         <142>
00119 DATA  27,0,0,63,63,63,56,56,57                         <074>
00120 DATA  28,0,0,252,252,252,28,28,156                     <106>
00121 DATA  29,57,56,56,63,63,63,0,0                         <212>
00122 DATA  30,156,28,28,252,252,252,0,0                     <091>
00123 DATA  31,0,0,255,255,255,0,0,255                       <023>
00124 DATA  33,156,156,156,156,156,156,15
      6,156                                                  <122>
00125 DATA  35,255,0,0,255,255,255,0,0                       <043>
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00126 DATA  36,57,57,57,57,57,57,57,57      <124>
00127 DATA  37,0,126,126,126,126,126,126,
      0                                     <206>
00128 DATA  38,0,28,4,8,4,28,0,0            <151>
00129 DATA  39,0,28,4,8,8,8,0,0             <218>
00130 DATA  40,0,36,108,36,36,36,0,0        <127>
00131 DATA  41,0,119,20,39,65,119,0,0       <048>
00132 DATA  42,0,119,17,34,68,116,0,0       <163>
00133 DATA  43,0,119,17,34,17,119,0,0       <025>
00134 DATA  44,0,18,54,82,114,18,0,0        <079>
00135 DATA  45,0,23,52,87,117,23,0,0        <175>
00136 DATA  46,0,119,65,114,84,119,0,0      <048>
00137 DATA  48,124,230,206,214,230,238,12
      4,0                                   <044>
00138 DATA  49,24,56,56,24,24,24,8,0        <115>
00139 DATA  50,252,206,6,28,112,230,254,0
                                            <118>
00140 DATA  51,252,238,6,28,6,206,252,0     <134>
00141 DATA  52,8,60,108,204,204,254,12,0    <029>
00142 DATA  53,126,192,220,126,6,14,252,0
                                            <200>
00143 DATA  54,60,112,96,236,198,230,124,
      0                                     <182>
00144 DATA  55,126,238,12,24,24,56,48,0     <214>
00145 DATA  56,124,198,230,124,206,198,12
      4,0                                   <248>
00146 DATA  57,124,206,198,110,12,28,120,
      0                                     <145>
00147 DATA  59,0,119,20,39,65,71,0,0        <141>
00148 DATA  60,0,114,86,34,82,114,0,0       <182>
00149 DATA  61,0,119,65,114,84,119,0,0      <253>
00150 DATA  62,0,114,70,114,82,114,0,0      <069>
00151 DATA  63,0,113,83,37,87,113,0,0       <047>
00152 DATA  66,24,24,24,24,24,24,24,24      <177>
00153 DATA  67,0,0,0,255,255,0,0,0          <242>
00154 DATA  73,0,0,0,224,240,56,24,24       <093>
00155 DATA  74,24,24,28,15,7,0,0,0          <002>
00156 DATA  75,24,24,56,240,224,0,0,0       <061>
00157 DATA  76,0,28,16,28,4,28,0,0          <008>
00158 DATA  81,0,8,24,8,8,8,0,0             <165>
00159 DATA  83,0,119,65,114,17,119,0,0      <047>
00160 DATA  85,0,0,0,7,15,28,24,24          <194>
00161 DATA  86,0,119,17,34,68,68,0,0        <008>
00162 DATA  87,0,119,17,34,65,71,0,0        <095>
00163 DATA  88,0,119,65,114,20,116,0,0      <024>
00164 DATA  90,0,119,68,119,85,119,0,0      <143>
00165 DATA  -1                              <047>
```

1 Kelime-1 İşlem

Bu program TV'deki aynı isimli programdan esinlenerek C-64 için yazılmıştır.

Açılışta iki seçenek vardır. (I) tuşu ile işlem, (k) tuşu ile kelime bölümüne geçilir.

İşlem bölümünde bilgisayar bulunması istenen sayı ile bulunmaya yardımcı olacak sayıları randomize suretiyle otomatikman bildirecek ve gong çalacak 9' saniyelik süre verilecektir.

Kelime bölümünde ise (1) tuşuyla sesli, (2) tuşuyla sessiz olmak üzere yedi harf alınacak ve bilgisayarın vereceği jokerle azami uzunlukta kelime bulmaya çalışılacaktır. Burada süre 60 saniyedir.

Her iki bölümde verilen süreden evvel netice alınırsa, süre dolması beklenilmeksizin (M) tuşuyla MENU'ye geçilebilecektir.

Programda tuş programlaması yapılmış, shift veya Commodor'lu grafik işaretleri yerine stringler kullanılmış olduğundan yazacak olanların B.D.E ile uyum sağlamalarını öneririm.

İyi eylenceler dileğiyle...

```
00001 REM  ********************************
      **                                      <051>
00002 REM  ***  BIR KELIME - BIR ISLEM  *
      **                                      <113>
00003 REM  ***   PRG:  ERAYDIN AKKAYA   *
      **                                      <133>
00004 REM  ***   SILE/1991   TEL.1706   *
      **                                      <244>
00005 REM  ********************************
      **                                      <055>
00006 :                                       <238>
00007 H=0:BA=99:BB=799:BC=999:BD=10:BE=7:
      BF=1:BG=2:BH=3:BJ=4:BK=5:BL=8:BM=9      <059>
00008 KR$=CHR$(129):YS$=CHR$(30):YC$=CHR$
      (96):DC$=CHR$(98)                       <086>
00009 RF$=CHR$(18):RN$=CHR$(146):AR$=CHR$
      (32)                                    <099>
00010 POKE 53280,00:POKE 53281,00:DIM CM$
      (13)                                    <062>
00011 PRINT CHR$(147);YS$;AR$;"AKKAYA":PR
      INT                                     <061>
00012 DEF FNA(A)=INT(RND(H)*J+V)              <150>
00013 U$=CHR$(17)+CHR$(17):UU$=CHR$(19):U
      1$=U$+U$                                <218>
00014 FOR I=BF TO 14:U2$=U2$+CHR$(17):NEX
      T                                       <134>
```

```
00015 U2$=UU$+U2$:U3$=U2$+U1$                          <121>
00016 PRINT U2$;TAB(BM);"BIR KELIME-BIR I
      SLEM"                                            <088>
00017 PRINT TAB(14);"DATA GIRISI"                      <001>
00018 F$(H)=AR$:FOR I=BF TO BJ:F$(I)=AR$+
      F$(I-BF):NEXT                                    <240>
00019 FOR I=BF TO 37:P$=P$+CHR$(122):NEXT
                                                       <054>
00020 P$=YS$+P$:FOR I=49152 TO 49215:READ
       A:POKE I,A:NEXT :SYS 49152                      <106>
00021 READ A:IF A=-BF THEN PRINT CHR$(147
      ):GOTO 24                                        <180>
00022 FOR J=H TO BE:READ B:POKE 14336+A*B
      L+J,B                                            <245>
00023 PRINT CHR$(19);CHR$(B):NEXT :GOTO 2
      1                                                <008>
00024 FOR I=BF TO 13:READ CM$(I):NEXT                  <010>
00025 GOSUB 113:PRINT TAB(BM);KR$;CM$(BF)
                                                       <024>
00026 GOSUB 113:PRINT U$                               <073>
00027 FOR I=BF TO 24:L$=L$+YC$:NEXT                    <223>
00028 LA$=CHR$(117)+L$+CHR$(105)                       <017>
00029 LB$=CHR$(106)+L$+CHR$(107)                       <052>
00030 PRINT TAB(BE);KR$;LA$                            <161>
00031 FOR I=BF TO 19:READ A:ZZ$=ZZ$+CHR$(
      A-BE):NEXT                                       <078>
00032 PRINT TAB(BE);DC$;YS$;F$(BG);ZZ$;F$
      (BF);KR$;DC$                                     <181>
00033 ZZ$="":FOR I=BF TO 21:READ A:ZZ$=ZZ
      $+CHR$(A+BE):NEXT                                <208>
00034 PRINT TAB(BE);DC$;YS$;F$(BF);ZZ$;F$
      (H);KR$;DC$:PRINT TAB(BE);LB$                    <253>
00035 PRINT U1$;TAB(BK);CM$(BG)                        <044>
00036 PRINT TAB(BJ);CM$(BH)                            <032>
00037 PRINT U1$;:GOSUB 113                             <003>
00038 PRINT U3$;U1$;TAB(BD);KR$;CM$(BJ)                <070>
00039 GOSUB 113:DY$=CHR$(177):DA$=CHR$(17
      8)                                               <229>
00040 FOR D=BF TO BH:N$=N$+YC$:NEXT                    <140>
00041 FOR D=BF TO BE:NA$=NA$+N$+DA$:NEXT
                                                       <199>
00042 NA$=CHR$(176)+NA$+N$+CHR$(174)                   <184>
00043 PA$=LEFT$(NA$,21)+N$+YC$+CHR$(174)               <229>
00044 J$=DC$+F$(BG):FOR D=BF TO BL:NB$=NB
      $+J$:NEXT                                        <117>
00045 NB$=NB$+DC$:PB$=LEFT$(NB$,21)+F$(BH
      )+DC$                                            <028>
00046 FOR D=BF TO BE:NC$=NC$+N$+DY$:NEXT
                                                       <250>
00047 NC$=CHR$(173)+NC$+N$+CHR$(189)                   <199>
00048 PC$=LEFT$(NC$,21)+N$+YC$+RIGHT$(NC$
      ,BF)                                             <135>
```

```
00049 POKE 198,H                                          <225>
00050 GET A$:IF A$<>AR$ THEN 50                           <132>
00051 GOSUB 116:PRINT U2$;TAB(BL);YS$;RF$
      ;F$(H);RN$;KR$;CHR$(73);RF$;YS$;                    <050>
00052 PRINT F$(H);CHR$(146);F$(BF);KR$;CM
      $(BK)                                               <152>
00053 PRINT :PRINT TAB(11);YS$;RF$;F$(H);
      RN$;KR$;CHR$(75);RF$;YS$;                           <042>
00054 PRINT F$(H);CHR$(146);F$(BF);KR$;CM
      $(6)                                                <032>
00055 PRINT :PRINT TAB(14);YS$;RF$;F$(H);
      RN$;KR$;CHR$(67);RF$;YS$;                           <186>
00056 PRINT F$(H);CHR$(146);F$(BF);KR$;CM
      $(BE)                                               <150>
00057 PRINT U$;TAB(21);YS$;CM$(BL)                        <132>
00058 GET A$:IF A$<>CHR$(75) AND A$<>CHR$
      (73) AND A$<>CHR$(67) THEN 58                       <254>
00059 IF A$=CHR$(67) THEN 119                             <028>
00060 IF A$=CHR$(73) THEN M=90:GOTO 82                    <221>
00061 M=60:GOSUB 116                                      <047>
00062 PRINT U2$;TAB(BL);YS$;RF$;F$(H);RN$
      ;KR$;CHR$(49);RF$;                                  <125>
00063 PRINT YS$;F$(H);CHR$(146);F$(BF);KR
      $;CM$(BM)                                           <170>
00064 PRINT :PRINT TAB(11);YS$;RF$;F$(H);
      RN$;KR$;CHR$(50);RF$;                               <093>
00065 PRINT YS$;F$(H);CHR$(146);F$(BF);KR
      $;CM$(BD)                                           <028>
00066 PRINT :PRINT TAB(14);YS$;RF$;F$(H);
      RN$;KR$;CHR$(77);RF$;                               <033>
00067 PRINT YS$;F$(H);CHR$(146);F$(BG);KR
      $;CM$(11):GOSUB 101                                 <014>
00068 PRINT LEFT$(U1$,BH);TAB(BJ);YS$;NA$
                                                          <014>
00069 PRINT TAB(BJ);NB$:PRINT TAB(BJ);NC$
                                                          <069>
00070 A$="AEI#O$U%":B$="BC&DFG'HJKLMNPRS(
      TVYZ"                                               <040>
00071 PRINT CHR$(145);CHR$(145);:I=BJ+BG:
      FOR T=BF TO BE:POKE 198,H                           <035>
00072 GET G$:IF G$<>CHR$(49) AND G$<>CHR$
      (50) AND G$<>CHR$(77) THEN 72                       <216>
00073 IF G$=CHR$(49) THEN 76                              <014>
00074 IF G$=CHR$(50) THEN 77                              <030>
00075 GOTO 110                                            <019>
00076 FOR K=BF TO BD:J=BL:V=BF:R$=MID$(A$
      ,FNA(R),BF):GOTO 78                                 <240>
00077 FOR N=BF TO BD:J=21:R$=MID$(B$,FNA(
      R),BF)                                              <232>
00078 PRINT U3$;LEFT$(U1$,BH);TAB(I);KR$;
      R$                                                  <207>
00079 FOR P=H TO BA:NEXT :NEXT :I=I+BJ:NE
```

```
      XT                                                    <235>
00080 FOR P=H TO BB:NEXT :PRINT CHR$(145)
      ;TAB(34);CHR$(63)                                     <233>
00081 FOR D=H TO BC:NEXT :GOSUB 114:GOTO
      104                                                   <194>
00082 GOSUB 116:PRINT U2$;TAB(16);YS$;CHR
      $(176);RIGHT$(L$,BK);CHR$(174)                        <043>
00083 PRINT TAB(16);DC$;F$(BJ);DC$                          <062>
00084 PRINT TAB(16);CHR$(173);RIGHT$(L$,B
      K);CHR$(189):PRINT                                    <008>
00085 PRINT TAB(BE);PA$:PRINT TAB(BE);PB$
      :PRINT TAB(BE);PC$                                    <110>
00086 PRINT U2$;TAB(BL);YS$;RF$;F$(H);RN$
      ;KR$;CHR$(77);YS$;RF$;F$(H):PRINT                     <231>
00087 PRINT TAB(BL);KR$;CM$(11)                             <247>
00088 GOSUB 101:FOR D=H TO BB:NEXT                          <184>
00089 FOR A=BF TO BG*BD:J=BB:V=201:PRINT
      U2$:PRINT KR$;TAB(17);FNA(R)                          <147>
00090 FOR D=H TO BA:NEXT :GOSUB 111:NEXT
      :FOR D=H TO BC:NEXT :FOR B=BE TO 19
       STEP BJ                                              <135>
00091 FOR A=BF TO 15:J=BM:V=BF:PRINT U3$:
      PRINT TAB(B+BF);FNA(R)                                <207>
00092 FOR D=H TO BA:NEXT :GOSUB 111:NEXT
      :FOR D=H TO BB:NEXT :NEXT                             <090>
00093 FOR T=BF TO 15:J=BG:S=25:R=FNA(R):I
      F R/BG=INT(R/BG) THEN S=BG*S                          <035>
00094 PRINT U3$:PRINT TAB(24);S:FOR D=H T
      O BA:NEXT                                             <020>
00095 GOSUB 111:NEXT :FOR D=H TO BA:NEXT
                                                            <144>
00096 FOR T=BF TO 15:S$=AR$+CM$(12)                         <081>
00097 R=FNA(R):IF R/BG=INT(R/BG) THEN S$=
      CM$(13)                                               <127>
00098 PRINT U3$:PRINT TAB(29);S$                            <221>
00099 FOR P=H TO BA:NEXT :GOSUB 111:NEXT
                                                            <026>
00100 FOR D=H TO BC:NEXT :GOSUB 114:GOTO
      104                                                   <213>
00101 PRINT U2$;TAB(27);KR$;CHR$(176);LEF
      T$(L$,BJ);CHR$(174)                                   <203>
00102 PRINT TAB(27);DC$;AR$;YS$;CHR$(48);
      CHR$(48);AR$;KR$;DC$                                  <158>
00103 PRINT TAB(27);CHR$(173);LEFT$(L$,BJ
      );CHR$(189):RETURN                                    <038>
00104 FOR D=H TO BC:NEXT :FOR T=M TO H ST
      EP -BF:PRINT U2$                                      <090>
00105 PRINT YS$;TAB((T>BM)+29);T:GOSUB 11
      1                                                     <215>
00106 FOR D=H TO BB:NEXT :NEXT :FOR D=H T
      O BA*BG:NEXT                                          <147>
00107 GOSUB 114:FOR D=H TO BC:NEXT :PRINT
```

```
        U2$                                                    <240>
00108 PRINT TAB(28);RF$;CHR$(170);CHR$(10
      9);CHR$(110);CHR$(180)                                   <073>
00109 GET A$:IF A$<>CHR$(77) THEN 109                          <242>
00110 GOSUB 116:GOTO 51                                        <239>
00111 GET D$:IF D$=CHR$(77) THEN 110                           <086>
00112 RETURN                                                   <170>
00113 PRINT TAB(BG);YS$;P$:RETURN                              <173>
00114 S=54272:FOR D=S TO S+24:POKE D,H:NE
      XT :POKE S+BF,135:POKE S+BK,11:POKE
       S+15,60                                                 <236>
00115 POKE S+24,15:FOR D=BF TO BD:POKE S+
      BJ,21:NEXT :RETURN                                       <205>
00116 PRINT UU$;:FOR D=BF TO BD+BF:PRINT
      :NEXT :M$="":FOR D=BF TO 39:M$=M$+A
      R$:NEXT                                                  <127>
00117 PRINT UU$;:FOR D=BF TO BD+BF:PRINT
      :NEXT :M$="":FOR D=BF TO 39:M$=M$+A
      R$:NEXT                                                  <128>
00118 FOR D=BF TO BD+BH:PRINT M$:NEXT :RE
      TURN                                                     <172>
00119 PRINT CHR$(147):POKE 53280,14:POKE
      53281,6:POKE 646,14:POKE 657,H:POKE
       788,49                                                  <073>
00120 POKE 53272,21:END                                        <011>
00121 DATA  173,14,220,41,254,141,14,220,
      165,1,41,251,133,1,160,0,132,34,132
      ,36                                                      <005>
00122 DATA  169,216,133,35,169,56,133,37,
      162,8,177,34,145,36,200,208,249,230
      ,37                                                      <090>
00123 DATA  230,35,202,208,242,165,1,9,4,
      133,1,173,14,220,9,1,141,14,220,169
      ,30                                                      <182>
00124 DATA  141,24,208,96                                      <230>
00125 DATA  66,24,24,24,24,24,24,24,24                         <150>
00126 DATA  90,0,24,36,90,90,36,24,0                           <088>
00127 DATA  85,0,0,0,7,15,24,24,24                             <145>
00128 DATA  75,24,24,24,240,224,0,0,0                          <177>
00129 DATA  74,24,24,24,15,7,0,0,0                             <103>
00130 DATA  73,0,0,0,224,240,24,24,24                          <213>
00131 DATA  1,0,24,60,102,126,102,0,0                          <201>
00132 DATA  2,0,124,102,124,102,124,0,0                        <159>
00133 DATA  3,0,60,102,96,102,60,0,0                           <201>
00134 DATA  38,0,60,102,96,102,60,24,0                         <250>
00135 DATA  4,0,120,108,102,108,120,0,0                        <030>
00136 DATA  5,0,126,96,120,96,126,0,0                          <119>
00137 DATA  6,0,126,96,120,96,96,0,0                           <008>
00138 DATA  7,0,60,96,108,102,60,0,0                           <061>
00139 DATA  8,0,102,102,126,102,102,0,0                        <206>
00140 DATA  39,24,60,96,108,102,60,0,0                         <154>
00141 DATA  9,0,60,24,24,24,60,0,0                             <067>
```

```
00142 DATA  35,24,0,60,24,24,60,0,0          <167>
00143 DATA  10,0,30,12,12,108,56,0,0         <011>
00144 DATA  11,0,102,120,112,120,102,0,0     <155>
00145 DATA  12,0,96,96,96,96,126,0,0         <124>
00146 DATA  13,0,99,119,127,107,99,0,0       <226>
00147 DATA  14,0,102,118,126,110,102,0,0     <162>
00148 DATA  15,0,60,102,102,102,60,0,0       <200>
00149 DATA  36,102,60,102,102,102,60,0,0     <177>
00150 DATA  16,0,124,102,124,96,96,0,0       <048>
00151 DATA  18,0,124,102,124,108,102,0,0     <042>
00152 DATA  19,0,60,96,56,6,124,0,0          <241>
00153 DATA  40,0,60,96,56,6,124,24,0         <059>
00154 DATA  20,0,126,24,24,24,24,0,0         <230>
00155 DATA  21,0,102,102,102,102,60,0,0      <109>
00156 DATA  37,102,0,102,102,102,60,0,0      <009>
00157 DATA  22,0,102,102,102,60,24,0,0       <114>
00158 DATA  25,0,102,102,60,24,24,0,0        <174>
00159 DATA  26,0,126,12,24,48,126,0,0        <252>
00160 DATA  48,0,60,110,118,102,60,0,0       <249>
00161 DATA  49,0,24,56,24,24,126,0,0         <016>
00162 DATA  50,0,60,102,12,24,126,0,0        <253>
00163 DATA  51,0,60,102,12,102,60,0,0        <168>
00164 DATA  52,0,6,30,54,127,6,0,0           <151>
00165 DATA  53,0,126,96,124,6,124,0,0        <070>
00166 DATA  54,0,60,96,124,102,60,0,0        <126>
00167 DATA  55,0,126,102,12,24,24,0,0        <226>
00168 DATA  56,0,60,102,60,102,60,0,0        <126>
00169 DATA  57,0,60,102,62,6,60,0,0          <147>
00170 DATA  63,0,60,102,6,12,0,24,0          <242>
00171 DATA  205,192,224,112,56,28,14,7,0     <001>
00172 DATA  206,3,7,14,28,56,112,224,192     <050>
00173 DATA  160,0,126,126,126,126,126,126
      ,0,-1                                  <074>
00174 DATA  B#R KEL#ME - B#R #(LEM           <092>
00175 DATA  TRT.N#N AYNI #S#ML# PROGRAMIN
      DAN                                    <206>
00176 DATA  ES#NLENEREK C-64 #&#N UYARLAN
      MI(TIR                                 <126>
00177 DATA  SPACE TU(UNA BASINIZ             <137>
00178 DATA  #(LEN,KEL#ME,&IKI(,SE&#M#N#Z
      ?,SESL#,SESS#Z,MENU,75,100             <211>
00179 DATA  87,89,78,65,39,76,89,72,96,75
      ,80,85,39,72,82,82,72,96,72            <197>
00180 DATA  33,28,69,62,40,42,50,50,42,25
      ,38,25,77,62,69,51,25,42,48,41,47      <035>
```

Telefon Rehberi

Telefon ve adres rehberleri oldukça sık işlenmiş konulardan.Disket ve kaset için yazılmış çeşitli programlar var. Ancak bu kabil programların hepsinde veri girişleri, adres aramaları, silme ve düzeltmelerde disk sürücüsü devamlı açık kalmakta idi. Bu programda disk sürücüsü bir defa, o da giriş ve çıkışta kullanılmaktadır. Tüm rehber muhtevası hafızaya geçtiği için artık disk sürücüsü kapatılabilir, gerekli aramalar, adres ekleme, silme ve düzeltmeler sürücü kapalı iken yapılabilir.

Anlaşılacağı üzere program disket için.. Hafıza kapasitesi de gözönüne alınarak, program 100 kişi için hazırlanmıştır.

İlk girişteki şifre KÜRŞAT. Kullanıcı 164. satırdaki düzeltmeyi yaparak şifreyi dilediği gibi değiştirebilir.

Yararlı ve kullanışlı bulunacağı ümidiyle iyi kullanımlar.

```
PROGRAM ADI : TELEFON ADRES

00001 REM  ********************************
      ***                                    <132>
00002 REM  ***  ADRES & TELEFON REHBERI
      ***                                    <163>
00003 REM  ***     PRG.ERAYDIN AKKAYA
      ***                                    <109>
00004 REM  ***  SILE/1991     TEL. 1706
      ***                                    <244>
00005 REM  ********************************
      ***                                    <136>
00006 :                                      <238>
00007 :                                      <239>
00008 ET$=CHR$(147):POKE 53280,0:POKE 532
      81,0:POKE 646,7:PRINT ET$;"AKKAYA"     <198>
00009 POKE 788,52:POKE 657,128               <130>
00010 DIM AD$(100,4),AZ$(4),A$(40),B$(40)
      ,E$(40),F$(40),CM$(13)                 <065>
00011 READ SF$,BR$,IK$,UC$,DT$,BS$,AT$,YD
      $,SZ$,DK$                              <062>
00012 FOR I=1 TO 13:READ CM$(I):NEXT         <250>
00013 SP$=CHR$(32):KA$=CHR$(17):KY$=CHR$(
      145):KB$=CHR$(157):KD$=CHR$(29)        <192>
00014 RO$=CHR$(18):RF$=CHR$(146):BY$=CHR$
      (5):GR$=CHR$(155):YS$=CHR$(30)         <077>
00015 KM$=CHR$(28):AK$=CHR$(150):SR$=CHR$
```

```
      (158):CM$=CHR$(58):KT$=CHR$(19)                    <120>
00016 A$(0)=SP$:E$(0)=KD$:F$(0)=KA$:AA$="
      ":FOR I=1 TO 39:AA$=AA$+SP$                        <022>
00017 A$(I)=A$(I-1)+SP$:E$(I)=E$(I-1)+KD$
      :F$(I)=F$(I-1)+KA$:B$(I)=KT$+F$(I):
      NEXT                                               <107>
00018 A$=YS$+RO$+SP$+AA$:EE$=CHR$(69):HA$
      =CHR$(72):KK$=CHR$(75):H$=B$(8)+AA$
                                                         <022>
00019 CZ$="":FOR I=1 TO 7:CZ$=CZ$+CHR$(45
      ):NEXT :GOSUB 203:GOSUB 162                        <001>
00020 GOSUB 194:PRINT B$(3);E$(15);SR$;"A
      CILIS"                                             <167>
00021 PRINT B$(10):PRINT E$(3);GR$;"ILK D
      EFA KULLANILACAK ISE DOSYA"                        <243>
00022 PRINT E$(3);"ACILACAK.EVVELCE DOSYA
       ACILDI MI"                                        <200>
00023 PRINT KA$;E$(3);CHR$(40);BY$;EE$;GR
      $;"VET";                                           <112>
00024 PRINT CHR$(47);BY$;HA$;GR$;"AYIR";C
      HR$(41)                                            <075>
00025 PRINT KA$;E$(3);"HAYIR ISE DISK SUR
      UCUNUZU ACIN"                                      <110>
00026 PRINT E$(3);"VE";SP$;RO$;BY$;HA$;RF
      $;SP$;GR$;"TUSUNA BASIN"                           <147>
00027 PRINT KA$;E$(3);"DOSYA VAR ISE";SP$
      ;RO$;BY$;EE$;RF$;SP$;GR$;"TUSUNA BA
      SIN"                                               <237>
00028 GOSUB 220                                          <012>
00029 GET Q$:IF Q$<>EE$ AND Q$<>HA$ THEN
      29                                                 <140>
00030 IF Q$=EE$ THEN 147                                 <172>
00031 E=1:D=1:GOTO 130                                   <026>
00032 J=1:D=2:GOTO 151                                   <164>
00033 GOSUB 194:GOSUB 247                                <195>
00034 AL$=KA$+E$(3)+BY$+RO$+SP$:BL$=SP$+R
      F$+A$(1)+GR$                                       <075>
00035 IF E=1 THEN PRINT AL$;BR$;BL$;CM$(1
      )                                                  <151>
00036 PRINT AL$;IK$;BL$;CM$(2)                           <238>
00037 PRINT AL$;UC$;BL$;CM$(3)                           <245>
00038 PRINT AL$;DT$;BL$;CM$(4)                           <135>
00039 PRINT AL$;BS$;BL$;CM$(5)                           <142>
00040 PRINT AL$;AT$;BL$;CM$(6)                           <023>
00041 IF S THEN PRINT KA$;E$(3);KM$;RO$;S
      P$;YD$;SP$;RF$;A$(1);AK$;CM$(7)                    <024>
00042 PRINT AL$;SZ$;BL$;CM$(9):GOSUB 220                 <149>
00043 GET Q$:Q=VAL(Q$)                                   <126>
00044 IF Q<>1 AND Q<>2 AND Q<>3 AND Q<>4
      AND Q<>5 AND Q<>6 AND Q<>7 AND Q<>8
       THEN 43                                           <100>
```

```
0045 IF (E=2 AND Q=1) OR (E=1 AND Q=7) T
     HEN GOSUB 219:GOTO 43                    <010>
0046 ON QGOTO 47,57,65,110,118,169,139,2
     53                                       <098>
0047 GOSUB 194:PRINT B$(3);E$(10);SR$;"Y
     ENI ADRES GIRISI":GOSUB 220              <245>
0048 I=1:FOR T=1 TO 100:PRINT B$(7):PRIN
     T K$;B$(7)                               <157>
0049 PRINT E$(17);SR$;I:PRINT B$(10):GOS
     UB 221                                   <053>
0050 PRINT B$(10):GOSUB 240:PRINT F$(1):
     GOSUB 211                                <251>
0051 GOSUB 230                                <051>
0052 IF Q$=CHR$(86) THEN 55                   <007>
0053 I=I+1:S=S+1:PRINT H$:GOSUB 218:GOSU
     B 220:NEXT                               <155>
0054 E=2:GOTO 244                             <097>
0055 PRINT B$(8):PRINT B$(7):PRINT L$;B$
     (10):GOSUB 219                           <079>
0056 GOSUB 242:PRINT B$(8):GOSUB 215:GOT
     O 50                                     <074>
0057 GOSUB 194:PRINT B$(3);E$(11);SR$;CM
     $(2):GOSUB 220                           <100>
0058 IF S=SF THEN 168                         <120>
0059 FOR T=1 TO S:PRINT B$(7):GOSUB 239  <242>
0060 PRINT B$(10):GOSUB 240:GOSUB 219:GO
     SUB 235                                  <045>
0061 GET Q$:IF Q$="" THEN 61                  <014>
0062 IF Q$=KK$ THEN 244                       <036>
0063 IF Q$<>CHR$(13) THEN 61                  <041>
0064 GOSUB 216:NEXT :GOTO 244                 <168>
0065 GOSUB 194:PRINT B$(3);E$(9);SR$;CM$
     (3);SP$;"TABLOSU"                        <094>
0066 AL$=KA$+E$(3)+BY$+RO$+SP$:BL$=SP$+R
     F$+SP$+GR$                               <083>
0067 PRINT B$(8);AL$;BR$;BL$;CM$(11)      <124>
0068 PRINT AL$;IK$;BL$;CM$(12)                <188>
0069 PRINT AL$;UC$;BL$;CM$(13)                <203>
0070 PRINT AL$;DT$;BL$;CM$(10)                <037>
0071 GOSUB 220                                <055>
0072 GET Q$:Q=VAL(Q$):IF Q<>1 AND Q<>2 A
     ND Q<>3 AND Q<>4 THEN 72                 <103>
0073 ON QGOTO 74,86,98,244                    <185>
0074 GOSUB 194:PRINT B$(3);E$(11);SR$;"I
     SIMLE ARAMA":GOSUB 220                   <123>
0075 M=SF:IF S=SF THEN 168                    <229>
0076 PRINT B$(8);E$(3);GR$;:PRINT "ISIM"
     ;SP$;CN$;:INPUT IS$:PRINT H$             <124>
0077 FOR T=1 TO S:IF AD$(T,1)<>IS$ THEN
     83                                       <088>
0078 M=1:PRINT B$(7):GOSUB 239:PRINT B$(
```

```
     10):GOSUB 240:GOSUB 235:GOSUB 219    <031>
0079 GET Q$:IF Q$="" THEN 79               <066>
0080 IF Q$=KK$ THEN 65                     <011>
0081 IF Q$<>CHR$(13) THEN 79               <093>
0082 GOSUB 216                             <242>
0083 NEXT                                  <093>
0084 IF M=1 THEN 65                        <118>
0085 GOSUB 228:GOSUB 232:GOTO 65           <118>
0086 GOSUB 194:PRINT B$(3);E$(11);SR$;"S
     OYADIYLA ARAMA":GOSUB 220             <127>
0087 M=SF:IF S=SF THEN 168                 <241>
0088 PRINT B$(8);E$(3);GR$;"SOYADI";SP$;
     CN$;:INPUT SA$:PRINT H$               <112>
0089 FOR T=1 TO S:IF AD$(T,2)<>SA$ THEN
     95                                    <201>
0090 M=1:PRINT B$(7):GOSUB 239:PRINT B$(
     10):GOSUB 240:GOSUB 235:GOSUB 219     <043>
0091 GET Q$:IF Q$="" THEN 91               <141>
0092 IF Q$=KK$ THEN 65                     <023>
0093 IF Q$<>CHR$(13) THEN 91               <168>
0094 GOSUB 216                             <254>
0095 NEXT                                  <105>
0096 IF M=1 THEN 65                        <130>
0097 GOSUB 228:GOSUB 232:GOTO 65           <130>
0098 GOSUB 194:PRINT B$(3);E$(11);SR$;"T
     EL NO.SU ILE ARAMA":GOSUB 220         <156>
0099 M=SF:IF S=SF THEN 168                 <253>
0100 PRINT B$(8);E$(3);GR$;"TELEFON NO."
     ;SP$;CN$;:INPUT TN$:PRINT H$          <008>
0101 FOR T=1 TO S:IF AD$(T,4)<>TN$ THEN
     107                                   <082>
0102 M=1:PRINT B$(7):GOSUB 239:PRINT B$(
     10):GOSUB 240:GOSUB 235:GOSUB 219     <055>
0103 GET Q$:IF Q$="" THEN 103              <241>
0104 IF Q$=KK$ THEN 65                     <035>
0105 IF Q$<>CHR$(13) THEN 103              <012>
0106 GOSUB 216                             <010>
0107 NEXT                                  <117>
0108 IF M=1 THEN 65                        <142>
0109 GOSUB 228:GOSUB 232:GOTO 65           <142>
0110 GOSUB 194:PRINT B$(3);E$(11);SR$;CM
     $(4):GOSUB 220                        <217>
0111 IF S=SF THEN 168                      <173>
0112 PRINT B$(8);GR$;"DUZELECEK ADRESIN
     KAYIT NO";SP$;CN$;:INPUT DK$:GOSUB
     219                                   <003>
0113 DK=VAL(DK$):T=DK:IF DK>S OR DK<1 TH
     EN 112                                <075>
0114 PRINT H$;B$(7):PRINT L$;B$(10):GOSU
     B 240:PRINT B$(10):GOSUB 242          <218>
0115 PRINT H$;B$(7):GOSUB 215:PRINT B$(1
     0):GOSUB 240:PRINT F$(1):GOSUB 211    <015>
0116 GOSUB 230:IF Q$=CHR$(89) THEN 244     <079>
```

```
117 IF Q$=CHR$(86) THEN GOSUB 219:GOTO
    114                                    <050>
118 GOSUB 194:PRINT B$(3);E$(11);SR$;SP
    $;CM$(5)                               <026>
119 GOSUB 220:IF S=SF THEN 168             <058>
120 IF S=100 THEN GOSUB 251:GOTO 244       <089>
121 I=S+1:BL=I:FOR T=BL TO 100             <083>
122 PRINT B$(7):PRINT K$;B$(7):PRINT E$
    (17);SR$;I:PRINT B$(10):GOSUB 221      <238>
123 PRINT B$(10):GOSUB 240:PRINT F$(1):
    GOSUB 211                              <068>
124 GOSUB 230                              <124>
125 IF Q$=CHR$(86) THEN 128                <190>
126 S=S+1:I=I+1:PRINT H$:GOSUB 218:GOSU
    B 220:NEXT                             <123>
127 GOTO 244                               <255>
128 PRINT H$:PRINT B$(7):PRINT L$;B$(10
    ):GOSUB 219                            <090>
129 GOSUB 242:PRINT H$:GOSUB 215:GOTO 1
    23                                     <014>
130 GOSUB 194:GOSUB 246                    <032>
131 GOSUB 193:IF ST=-128 THEN GOSUB 197
    :GOTO 20                               <238>
132 GOSUB 195:POKE 198,0:WAIT 198,1:GET
     Q$                                    <094>
133 GOSUB 218                              <102>
134 PRINT B$(10);E$(3);BY$;"ADRESLER";S
    P$;GR$;"DOSYASI ACILIYOR":GOSUB 219
                                           <175>
135 OPEN 15,8,15:OPEN 3,8,3,"ADRESLER,S
    ,W"                                    <170>
136 INPUT#15,HT$:IF HT$="00" THEN 138      <161>
137 IF HT$="63" THEN GOSUB 201:GOSUB 23
    2:GOSUB 248:GOTO 20                    <063>
138 GOSUB 248:GOTO 244                     <087>
139 GOSUB 194:GOSUB 246                    <041>
140 GOSUB 193:IF ST=-128 THEN GOSUB 197
    :GOTO 151                              <106>
141 GOSUB 195:POKE 198,0:WAIT 198,1:GET
     Q$                                    <103>
142 GOSUB 218:PRINT B$(10);E$(3);BY$;      <059>
143 PRINT "ADRESLER";SP$;GR$;"DOSYASINA
     KAYIT YAPILIYOR":GOSUB 219            <021>
144 OPEN 3,8,3,"§0:ADRESLER,S,W":FOR T=
    1 TO S:PRINT#3,AD$(T,1)                <023>
145 PRINT#3,AD$(T,2):PRINT#3,AD$(T,3):P
    RINT#3,AD$(T,4)                        <042>
146 NEXT :CLOSE 3:GOSUB 219:GOTO 244       <127>
147 GOSUB 218:OPEN 15,8,15:CLOSE 15:IF
    ST=-128 THEN GOSUB 197:GOTO 20         <116>
148 OPEN 15,8,15:OPEN 3,8,3,"ADRESLER,S
```

```
    ,R":CLOSE 3                                          <189>
149 INPUT#15,HT$:CLOSE 15:IF HT$="62" T
    HEN GOSUB 199:GOTO 20                                <022>
150 GOTO 32                                              <120>
151 GOSUB 194:GOSUB 247                                  <057>
152 AL$=KA$+E$(3)+BY$+RO$+SP$:BL$=SP$+R
    F$+A$(1)+GR$                                         <193>
153 PRINT AL$;BR$;BL$;CM$(2):PRINT AL$;
    IK$;BL$;CM$(3):PRINT AL$;UC$;BL$;CM
    $(4)                                                 <047>
154 PRINT AL$;DT$;BL$;CM$(5):PRINT AL$;
    BS$;BL$;CM$(6)                                       <202>
155 IF J=2 THEN PRINT KA$;E$(3);KM$;RO$
    ;SP$;AT$;SP$;RF$;A$(1);AK$;CM$(7)    <115>
156 IF J=1 THEN PRINT KA$;E$(3);KM$;RO$
    ;SP$;YD$;SP$;RF$;A$(1);AK$;CM$(8)    <083>
157 PRINT AL$;SZ$;BL$;CM$(9):GOSUB 220   <008>
158 GET Q$:Q=VAL(Q$)                                     <241>
159 IF Q<>1 AND Q<>2 AND Q<>3 AND Q<>4
    AND Q<>5 AND Q<>6 AND Q<>7 AND Q<>8
     THEN 158                                            <230>
160 IF (J=2 AND Q=7) OR (J=1 AND Q=6) T
    HEN GOSUB 219:GOTO 158                               <083>
161 ON QGOTO 57,65,110,118,169,139,182,
    253                                                  <148>
162 PRINT ET$;B$(7);A$;F$(3)                             <093>
163 PRINT A$;B$(10);E$(3);SR$;RF$;"LUTF
    EN SIFREYI VERINIZ";                                 <120>
164 GOSUB 220:INPUT SF$:IF SF$="KURSAT"
     THEN RETURN                                         <106>
165 PRINT ET$:FOR T=1 TO 4                               <049>
166 PRINT F$(3);E$(3);RO$;YS$;A$(8);"SI
    FRE TUTMUYOR";A$(8):NEXT                             <150>
167 FOR T=1 TO 9:GOSUB 219:FOR TT=1 TO
    50:NEXT :NEXT :FOR TT=1 TO 250:NEXT
     :GOTO 162                                           <134>
168 PRINT B$(11);E$(3);YS$;"HAFIZA BOS
    & VERI YOK":GOSUB 232:GOTO 244       <241>
169 GOSUB 194:PRINT B$(3);E$(11);SR$;SP
    $;CM$(6):GOSUB 220                                   <226>
170 IF S=SF THEN 168                                     <232>
171 PRINT B$(7);E$(3);GR$                                <196>
172 PRINT "SILINECEK ADRESIN KAYIT NO";
    CN$;SP$;:INPUT SK$:GOSUB 219                         <120>
173 SK=VAL(SK$):T=SK:IF SK>S OR SK<1 TH
    EN 171                                               <080>
174 PRINT H$;B$(7);E$(3);KA$;SR$;"SILIN
    ECEK KAYIT";A$(1);CHR$(35);T                         <053>
175 PRINT B$(10):GOSUB 240                               <127>
176 PRINT F$(1);E$(3);YS$;"SILINECEK MI
    ";A$(1);RO$;EE$;RF$;CHR$(47);RO$;HA
```

```
    $                                                    <008>
177 GET Q$:IF Q$="" THEN 177                             <254>
178 IF Q$=HA$ THEN 244                                   <211>
179 IF Q$=EE$ THEN PRINT B$(7)E$;E$(3);
    KA$;T;KB$;".KAYIT SILINIYOR";A$(4):
    GOSUB 218                                            <110>
180 GOSUB 219:FOR JJ=SK+1 TO S:FOR P=1
    TO 4:AD$(JJ-1,P)=AD$(JJ,P):NEXT :NE
    XT                                                   <246>
181 GOSUB 233:GOSUB 232:GOTO 244                         <159>
182 GOSUB 194:PRINT B$(3);E$(13);SR$;"V
    ERI GIRISI"                                          <203>
183 GOSUB 193:IF ST=-128 THEN GOSUB 197
    :GOTO 244                                            <088>
184 GOSUB 195:POKE 198,0:WAIT 198,1:GET
     Q$:GOSUB 218                                        <187>
185 PRINT B$(10);E$(3);GR$;"DISKETTEN V
    ERI GIRILIYOR":GOSUB 219                             <231>
186 OPEN 15,8,15:OPEN 3,8,3,"ADRESLER,S
    ,R":INPUT#15,HT$                                     <062>
187 IF HT$="62" THEN GOSUB 199:GOSUB 24
    8:GOTO 244                                           <151>
188 GET #3,DD$:IF DD$=CHR$(13) THEN GOS
    UB 248:GOSUB 249:GOTO 244                            <142>
189 CLOSE 3:OPEN 3,8,3,"ADRESLER,S,R":F
    OR T=1 TO 100                                        <127>
190 INPUT#3,AD$(T,1),AD$(T,2),AD$(T,3),
    AD$(T,4):S=S+1:IF ST=64 THEN 192                     <170>
191 NEXT                                                 <201>
192 GOSUB 248:J=2:GOTO 244                               <132>
193 OPEN 15,8,15:CLOSE 15:RETURN                         <218>
194 PRINT ET$;F$(1);A$;F$(2);A$:RETURN                   <127>
195 PRINT B$(11);E$(3);GR$;"LUTFEN DISK
     SURUCUSUNU ACINIZ"                                  <177>
196 PRINT KA$;E$(3);"HAZIR OLUNCA BIR T
    USA BASINIZ":GOSUB 219:RETURN                        <032>
197 PRINT B$(10);E$(3);GR$;"LUTFEN DISK
     SURUCUNUZU ACINIZ"                                  <152>
198 GOSUB 219:GOSUB 232:RETURN                           <052>
199 PRINT B$(10);E$(3);GR$;"DISKETTE";S
    P$;BY$;"ADRESLER";SP$;GR$;"DOSYASI
    YOK"                                                 <190>
200 GOSUB 219:GOSUB 232:RETURN                           <054>
201 PRINT B$(10);E$(3);GR$;"DISKETTE";S
    P$;BY$;"ADRESLER";SP$;                               <114>
202 PRINT GR$;"DOSYASI KAYITLI":GOSUB 2
    19:RETURN                                            <158>
203 S=0:SC=54272:R1=45:R2=35:L1=130:L2=
    120                                                  <202>
204 AZ$(1)=GR$+A$(3)+"ADI....."+CN$:AZ$
    (2)=A$(3)+"SOYADI.."+CN$                             <094>
205 AZ$(3)=A$(3)+"ADRESI.."+CN$:AZ$(4)=
```

```
      A$(3)+"TEL.NO.."+CN$                                    <150>
0206  K$=E$(3)+SR$+"VERI GIRINIZ"+SP$+CHR
      $(35)+E$(5)+YS$+"BITIRME"+CN$                           <053>
0207  K$=K$+SP$+BY$+RO$+"RETURN"+RF$                          <042>
0208  L$=E$(3)+YS$+"DUZELTINIZ"+A$(8)                         <136>
0209  POKE SC+24,14:POKE SC+5,60:POKE SC+
      6,120:RETURN                                            <108>
0210  POKE SC+4,17:FOR F=1 TO 80:NEXT :PO
      KE SC+4,16:POKE SC,0:POKE SC+1,0:RE
      TURN                                                    <184>
0211  PRINT E$(3);YS$;"TETKIK EDINIZ."                        <151>
0212  PRINT E$(3);"HATA VARSA";SP$;RO$;BY
      $;SP$;CHR$(86);SP$;RF$;SP$;YS$;                         <136>
0213  PRINT "HATA YOKSA";SP$;RO$;BY$;SP$;
      CHR$(89);SP$;RF$                                        <057>
0214  PRINT YS$;A$(3);"YAZINIZ":PRINT E$(
      3);KA$;"HATA";SP$;BY$;"(V/Y)":RETUR
      N                                                       <047>
0215  PRINT B$(8);E$(3);SR$;"HATA VAR MI"
      :RETURN                                                 <205>
0216  PRINT B$(10):FOR B=1 TO 5                               <196>
0217  PRINT AA$:NEXT :RETURN                                  <007>
0218  PRINT B$(10):FOR Z=1 TO 12:PRINT AA
      $:NEXT :RETURN                                          <088>
0219  POKE SC,L1:POKE SC+1,R1:GOTO 210                        <128>
0220  POKE SC,L2:POKE SC+1,R2:GOTO 210                        <003>
0221  PRINT AZ$(1);:INPUT AD$(T,1):IF AD$
      (T,1)="" THEN 226                                       <011>
0222  PRINT AZ$(2);:INPUT AD$(T,2):IF AD$
      (T,2)="" THEN AD$(T,2)=CZ$                              <015>
0223  PRINT AZ$(3);:INPUT AD$(T,3):IF AD$
      (T,3)="" THEN AD$(T,3)=CZ$                              <165>
0224  PRINT AZ$(4);:INPUT AD$(T,4):IF AD$
      (T,4)="" THEN AD$(T,4)=CZ$                              <060>
0225  RETURN                                                  <027>
0226  IF I=1 THEN 33                                          <096>
0227  E=2:GOTO 244                                            <014>
0228  PRINT YS$;B$(10);TAB(12);"ARANILAN
      ADRES"                                                  <005>
0229  PRINT KA$;TAB(6);"REHBERDE KAYITLI
      DEGILDIR":GOSUB 219:RETURN                              <209>
0230  GET Q$:IF Q$<>CHR$(86) AND Q$<>CHR$
      (89) THEN 230                                           <236>
0231  RETURN                                                  <033>
0232  FOR I=1 TO 1200:NEXT :RETURN                            <127>
0233  FOR I=1 TO 4:AD$(S,1)="":NEXT                           <100>
0234  S=S-1:RETURN                                            <109>
0235  PRINT E$(3);F$(1);YS$;"MUTEAKIP ADR
      ES ICIN"                                                <237>
0236  PRINT E$(3);BY$;RO$;"RETURN";RF$;SP
      $;YS$;"TUSUNA BASIN"                                    <022>
0237  PRINT KA$;E$(3);"KESMEK ICIN";SP$;R
```

```
    O$;BY$;SP$;KK$;SP$;RF$;SP$;YS$;"TUS
    U"                                          <172>
238 RETURN                                      <040>
239 PRINT E$(3);SR$;"ADRES";SP$;CHR$(35
    );T:RETURN                                  <033>
240 PRINT AZ$(1);A$(1);AD$(T,1):PRINT A
    Z$(2);A$(1);AD$(T,2)                        <194>
241 PRINT AZ$(3);A$(1);AD$(T,3):PRINT A
    Z$(4);A$(1);AD$(T,4):RETURN                 <176>
242 FOR P=1 TO 4:PRINT AZ$(P);A$(1);AD$
    (T,P)                                       <089>
243 PRINT KY$;E$(12);:INPUT AD$(T,P):NE
    XT :RETURN                                  <245>
244 IF D=1 THEN 33                              <074>
245 GOTO 151                                    <029>
246 PRINT B$(3);E$(11);SR$;CM$(7):RETUR
    N                                           <010>
247 PRINT B$(3);E$(9);SR$;"TELEFON REHB
    ERI MENUSU";F$(1):RETURN                    <016>
248 CLOSE 3:CLOSE 15:RETURN                     <007>
249 PRINT B$(10);E$(3);BY$;"ADRESLER";S
    P$;GR$;"DOSYASINDA KAYIT YOKTUR"            <194>
250 GOSUB 219:GOSUB 232:RETURN                  <104>
251 PRINT B$(10);E$(3);BY$;RO$;"100";RF
    $;SP$;GR$;"KAYIT VAR.KAPASITE DOLMU
    STUR"                                       <226>
252 GOSUB 219:GOSUB 232:RETURN                  <106>
253 POKE 657,0:POKE 788,49:END                  <090>
254 DATA  0,1,2,3,4,5,6,7,8,9                   <254>
255 DATA  ILK VERI GIRISI,REHBERE BAKMA
    ,ADRES ARAMA,ADRES DUZELTME                 <203>
256 DATA  ADRES EKLEME,ADRES SILME,DISK
    ETE KAYIT,DISKETTEN GIRIS                   <225>
257 DATA  CIKIS & SON,MENUYE DONUS,ISME
     GORE,SOYADINA GORE,TELEFON NO.SUNA
     GORE                                       <089>
```

COMMODORE 64 İLE PROGRAM YAZIYOR MUSUNUZ?

Eğer yazıyorsanız ve bu programları değerlendirme, bildiklerinizi diğer Commodore'cularla paylaşmak ve biraz da ek gelir sağlamak istiyorsanız,

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Yapmanız gereken, programlarınızı bir diskete ya da kasete (turbosuz) kaydederek programınızın tam açıklaması ve adresinizle

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PROGRAM DÖKÜM EKİ
SAKIZ SOK. BERKEL APT.
NO: 6/4 - 81300 KADIKÖY
İSTANBUL

adresine poastalamak.

Eğer programınız sonraki sayılardan birinde yayınlanırsa, programınızın telif ücreti olan 30.000 TL.'yi size ileteceğiz.

⇨Programlar normal Basic dili ile, Simons' Basic ile ya da Makina Dili ile yazılmış olabilir. Eğer programınız Simons' Basic ile yazılmış ise bunu lütfen açıklamalarınızda belirtiniz. Makina Dili ile yazılan programlarınızın başlangıç ve bitiş adreslerini ve de çalışma adreslerini açıklamalarınızda belirtiniz.

⇨Programlarınızın ihtiyacı olan diğer birimleri de belirtmeyi unutmayınız. Programınızın bir dataset'e (teyp), disk sürücüsüne ya da joystick'e (veya her hangi başka bir birime) ihtiyacı varsa açıklamanızda belirtiniz.

⇨Programınızı anlatırken, kolayca anlaşılabilecek şekilde yazınız. Unutmayın ki bu programları yazacak olan arkadaşlarınızın arasında çok yeni Commodore'cular da bulunacaktır.

Şimdiden hepinize iyi çalışmalar diliyoruz ve programlarınızı bekliyoruz.